

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	48	bisoprolol AND (pH ADJ dependent)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 10:34
2	BRS	L2	36	bisoprolol AND dissolution AND (pH ADJ dependent)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE. NT; IBM_TD B	2007/05/29 10:34
3	BRS	L3	36	bisoprolol AND ((pH ADJ dependent) and dissolution)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 12:04

	Type	L #	Hits	Search Text	DBs	Time Stamp
4	BRS	L4	247	multiparticulate ADJ formulation	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 12:05
5	BRS	L5	153	14 AND (pH ADJ dependent)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 12:05
6	BRS	L6	50	L5 AND (non?pareil ADJ core seed)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 12:07

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	45	L5 AND ((non?pareil ADJ core seed) AND diameter)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 13:29
8	BRS	L8	5	L5 AND ((non?pareil ADJ core seed) AND diameter) and (once?daily ADJ administration)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 13:29

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	708	bisoprolol (ph dependent)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 08:59
2	BRS	L2	1717082	bisoprolol particle	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 08:59
3	BRS	L3	689	bisoprolol particle	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:00

	Type	L #	Hits	Search Text	DBs	Time Stamp
4	BRS	L4	7	bisoprolol WITH particle	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:01
5	BRS	L5	7	bisoprolol SAME particle	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:01
6	BRS	L6	583	bisoprolol AND (coated particle)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:01

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	594	bisoprolol and particle and polymer and coat\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TDB	2007/05/29 09:02
8	BRS	L8	546	bisoprolol and particle and polymer and coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TDB	2007/05/29 09:02
9	BRS	L9	40	(bisoprolol.clm.) and particle and coating and polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TDB	2007/05/29 09:03

	Type	L #	Hits	Search Text	DBs	Time Stamp
10	BRS	L10	15	L9 AND methacrylate	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:04
11	BRS	L11	1310	bisoprolol	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:04
12	BRS	L12	104	l11 eudragit	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:04

	Type	L #	Hits	Search Text	DBs	Time Stamp
13	BRS	L13	4	l11 with eudragit	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_TD B	2007/05/29 09:04

451 Capsules (e.g., of gelatin, of chocolate, etc.):

This subclass is indented under subclass 400. Subject matter in which the special physical form includes a capsule.

(1) Note. A capsule is a preformed hard or soft, soluble container or shell which is filled with a pharmaceutical in particulate or liquid form.

(2) Note. Where a patent claims dosage units (in the absence of more comprehensive or controlling claims as indicated below) e.g., "a tablet comprising (or containing) 15 grains of compound X", and in the absence of any structural limitations, definite shape, surface deformation, etc., the original has been place with the compound.

SEE OR SEARCH CLASS:

- 128, Surgery, appropriate subclasses for a capsule or pill, not specifically provided for elsewhere, that must be broken prior to use to empty its contents, even if said capsule or pill contains a specific medicine. This includes an inhalant capsule.
- 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses take a medicine in the form of a capsule or pill that is ingested, as well as a method of using an inhalant capsule by squeezing said capsule to liberate the enclosed medicine. Class 128, provides for a dosage unit; e.g., suppository, etc., shaped to fit a particular body cavity, even it the active ingredients are claimed specifically.
- 206, Special Receptacle or Package, appropriate subclasses provides for a dosage unit made up of a therapeutic material or article and a container, where the container is intended to be physically removed from the therapeutic material or article; e.g., a wrapped pill or capsule, etc.
- 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses takes a structured dosage unit which is intended to be used as a whole without disassembly or removal of a part; e.g., unwrapping, etc. Examples of dosage units provided for in Class 424 are a capsule filled with coated particulate material intended to be swallowed whole, and a filled soluble, gelatin container intended to be dissolved in toto in water or other liquid.

458 Containing discrete coated particles, pellets, granules, or beads:

This subclass is indented under subclass 457. Subject matter in which the capsule contains discrete coated particles, pellets, granules or beads.

(1) Note. This and the indented subclasses are intended to provide for capsules filled with small fluent particles of relatively small size compared to the capsule.

(2) Note. This subclass will provide for particles having an inorganic coating.

SEE OR SEARCH THIS CLASS, SUBCLASS:

414+, for a synthetic resin foil coated or impregnated with a biocide.

419, for a biocidal particle coated with a synthetic resin.

443, for a synthetic resin web sheet filament base, bandage or dressing with an incorporated medicament.

462, for a sustained or differential release capsule containing discrete particles coated with a synthetic resin.

482, for a tablet coated with a solid synthetic resin.

497, for a synthetic resin coated particle.

464 Tablets, lozenges, or pills:

This subclass is indented under subclass 400. Subject matter in which the special physical form is a tablet, lozenge or pill.

(1) Note. A tablet is made by compressing a drug and an inert binder such as starch or lactose into a hard self sustaining mass. A pill is in obsolete dosage form made by rolling the drug and a binder into a sphere. A lozenge or troche is a flavored tablet intended to dissolve slowly when held in the mouth.

(2) Note. In the indented subclasses tablet should be understood to include pills, lozenges or troches.

(3) Note. Where a patent claims dosage units (in the absence of more comprehensive or controlling claims) e.g., "a tablet comprising (or containing) 15 grains of compound X", and in the absence of any structural limitations, definite shape, surface deformation, etc., the original has been placed with the compound.

SEE OR SEARCH CLASS:

- 128, Surgery, appropriate subclasses provides for a capsule or pill, not specifically provided for elsewhere, that must be broken prior to use to empty its contents, even if said capsule or pill contains a specific medicine. This includes an inhalant capsule.
- 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclasses takes a medicine in the form of a capsule or pill that is ingested, as well as a method of using an inhalant capsule by squeezing said capsule to liberate the enclosed medicine. Class 128, provides for a dosage unit; e.g., suppository, etc., shaped to fit a particular body cavity, even if the active ingredients are claimed specifically.
- 208, Mineral Oils: Processes and Products, appropriate subclasses provides for a dosage unit made up of a therapeutic material or article and a container, where the container, where the container is intended to be physically removed from the therapeutic material on article; e.g., a wrapped pill or capsule, etc. Class 424, takes a structured dosage unit which is intended to be used as a whole without disassembly or removal of a part; e.g., unwrapping. Examples of dosage units provided to in Class 424 are a capsule filled with coated particulate material intended to be swallowed whole, and a filled soluble, gelatin container intended to be dissolved in toto in water or other liquid.

467 Printed, embossed, grooved, or perforated:

This subclass is indented under subclass 464. Subject matter in which the tablet is printed, embossed, grooved or perforated.

(1) Note. Typically the tablets of this subclass have an indicia or are shaped to permit the tablet to be divided easily.

SEE OR SEARCH CLASS:

D24, Medical and Laboratory Equipment, subclasses 100 through 104 which provides for design patents for pharmaceutical products.

489 Particulate form (e.g., powders, granules, beads, microcapsules, and pellets):

This subclass is indented under subclass 400. Subject matter in which the special physical form is a coated or impregnated particle.

(1) Note. Particle is intended to encompass any form which is solid but of sufficiently small size to behave in a fluid manner.

(2) Note. This subclass includes any form denominated as powder, granule, bead, microcapsule or pellet.

490 Coated (e.g., microcapsules):

This subclass is indented under subclass 489. Subject matter in which the particle is coated.

SEE OR SEARCH CLASS:

- 264, Plastic and Nonmetallic Article Shaping or Treating: Processes, subclasses 4.1 through 4.7 for processes of encapsulation of a material which is liquid involving the formation of microspheres.
- 427, Coating Processes, subclasses 213.3+ for processes of forming a microcapsule or the processes of solid encapsulation utilizing an emulsion or dispersion to form a solid walled microcapsule.
- 428, Stock Material or Miscellaneous Articles, subclass 402 and indented subclasses 402.2+ for patents to coated or encapsulated products of general utility which recite a term; e.g., encapsulation, microencapsulation, sphere, microsphere, capsule microcapsule, etc., which give evidence for the product being a microcapsule. Subclass 402 provides an extensive listing to other classes providing for coated or impregnated articles or materials.

497 Containing solid synthetic polymers:

This subclass is indented under subclass 490. Subject matter in which the particles are coated with a solid synthetic resin.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 414+, for a synthetic resin foil coated or impregnated with a biocide.
- 419, for a biocidal particle coated with a synthetic resin.
- 443, for a synthetic resin web sheet or filament base, bandage or dressing with an incorporated medicament.
- 462, for a sustained differential release capsule containing discrete particles coated with a synthetic resin.
- 482, for a tablet coated with a solid synthetic resin.
- 501, for a synthetic resin impregnated particle.